

TEMPERATURE OF THE AIR.

In General.—The general distribution of the temperature of the air is shown by the isotherms on Chart No. II. The table of comparative temperatures, in the left-hand corner of same chart shows the temperature of the month to have been unusually high over the northern section of the country, especially in Minnesota, the Lake region, Middle States and New England; about normal in the Lower Missouri valley and below normal in the Gulf States and Texas.

Monthly mean temperatures at special points have been as follows: Mt. Washington, 21° and Pike's Peak, 6°.

Maximum and minimum temperatures.—Maximum temperatures, at Signal Service stations, above 80° are reported as follows: 89° at Key West; 86° at Los Angeles and Fort Griffin; 85° at Laredo; 84° at Jacksonville; 83° at Wilmington; 82° at Indianola and Stockton; 81° at Savannah, St. Marks, Eagle Pass, and 80° at Charleston, Tybee Island and Brackettville. Other stations than those of the Signal Service, have reported as follows: 82° Ft. Barrancas, Fla., Baton Rouge Bks, La.; 85° St. Augustine, Fla.; 87° Houston, Fla.

Minimum temperatures, at Signal Service station, below zero: —23° at Pike's Peak; —18° at Denver; —12° at Cheyenne; —10° at North Platte; —6° at Bismarck; —5° at Yankton; —4° at Breckenridge; Pembina; —2° at Omaha; —1° at Mt. Washington.

At stations other than those of the Signal Service, —2° Ft. Larned and Great Bend, Kan., Guttenburg and Tabor, Iowa; —3°, Ft. Lyon and Golden, Col., Norfolk and Plattsburg, Neb.; —4°, Ft. Pembina, Dak., Boonsboro, Iowa; —5°, Ft. Hartsoff, Neb.; —6°, S. Pueblo, Col., Neillsonville, Miss.; —7°, Ft. McPherson, Neb., Vail, Iowa; —8°, Ft. Rice; —9°, Ft. Lincoln, Dak., Colorado Springs, Nora Springs, Iowa; —10°, Ft. Hayes, Kan.; Byron and Cresco, Iowa; —12°, Ft. Union, N. M.; Camp Sheridan, Neb.; —14°, Camp Brown, N. Y.; Ft. Randall, Dak.; —16°, Sydney Barracks, Neb.; —18°, Ft. Steele, N. Y.; —22°, Ft. Sanders, N. Y., and at Ft. Garland, Col.

Ranges of Temperature.—Large monthly and diurnal ranges have been respectively as follows: Denver, monthly, 85°, diurnal, 38°; North Platte, 78° and 42°; Dodge City, 71° and 40°; Ft. Griffin, 71° and 39°; Stockton, 68°, 44°; Mason, 63° and 38°; Yankton, 62° and 30°; Bismarck, 62° and 37°; Pembina and Breckenridge, 58° and 38°; Winnemucca, 50° and 45°; Knoxville, 51° and 39°.

The smallest ranges have been, San Francisco, 20° and 14°; Key West, 35° and 12°; San Diego, 31° and 23°; Sacramento, 33 and 27°; Red Bluff, 34° and 23°; Thatchers Island, 31° and 22°, Eastport, 27° and 26°; Alpena, 36° and 19°, and Escanaba, 31° and 21°. Small daily ranges have also occurred at Galveston, 19°, and New Orleans, Tybee, Sandy Hook and New York, 21°.

Frosts were reported on nearly every day during the month in the following sections, Rocky Mountain region, Northwest, Lake region and Ohio valley, Middle States and New England. In the following States frosts were reported as follows: 1st, Tex., S. C.; 3d, N. C., Tenn.; 3th, Ala., Ga., S. C., N. C., Tenn.; 5th, Tex., N. C.; 6th, Ga., N. C., Tenn.; 7th, La., Miss., Ga., N. C., Tenn., Tex.; 9th, Tex.; 10th, Tex., La., Ga., N. C., Tenn.; 11th, Tex., La., Ala., Miss., Ga., Fla., S. C., N. C., Tenn.; 12th, Tex., La., Ala., Miss., Ga., Fla., S. C., N. C., Tenn.; 13th, Ala., Miss., Ga., Fla., S. C., N. C., Tenn.; 14th, N. C.; 19th, N. C., Tenn.; 22nd, Tex., La.; 23d, La.; 24th, Miss., Fla.; 25th, Tex., Miss., Ga., Fla.; 26th, Tex., La., Miss., Ga.; 27th, Tex., Miss., Tenn.; 28th, Tex., Miss., Ga., N. C.; 19th, Tex., La., Miss., Ga., N. C., Tenn.; 30th, Tex., La., Ala., Miss., Ga., Fla., N. C., Tenn.

Ice.—Under the had of navigation will be found the freezing over of rivers. In Dakota and Minnesota the surface of water has continued frozen throughout most of the month; elsewhere ice has occurred as follows: 1st., La. Mich., Ohio, Va., N. J. 2nd, Kan. 3d, Kan., Mo., Ill., Ind., Ohio, $\frac{1}{2}$ inch. 4th, Kan. Mich., W. Va., Md., Pa., N. J., N. Y., Mass. 5th, Neb., Kan., N. Y. 6th, Kan., 1 inch; I. T., Tex., $\frac{1}{2}$ in; Mo., Ill., Mich., Ind., Ohio, Ky., Tenn., Va., Md., $\frac{1}{2}$ in; Pa., $\frac{1}{2}$ in; N. Y. 7th, Ky., Tenn., S. C.; N. C., 1-10 in.; Va., $\frac{1}{2}$ in; N. J., N. Y., $\frac{1}{2}$ in; Conn., R. I. 8th, N. Y., Conn. 9th, Kan., Ohio. 10th, I. T., Teq., Ill., Ind., Ohio. 11th, Kan., Tex., La., Ind., Ohio, Tenn., Miss., Ga., N. C. 12th, Tex., Ohio, N. C., Pa., N. J., N. Y., $\frac{1}{2}$ in; Conn. 13th, Ill., Mich., Ga., N. C. 14th, Me. 19th, Pa., Conn. 20th, Pa., Conn., N. H. 21st, S. C., N. H. 23d, Tex. 27th, Kan., Tex. 28th, Tex., Iowa, Ill. 29th, Neb., Kan., Tex., $\frac{1}{2}$ in; Iowa, La., 2 ins.; Wis., Miss., Ala. 30th, Neb. Kan., 1 $\frac{1}{2}$ ins.; Tex., $\frac{1}{2}$ in; Iowa, Wis., Ind., 2 $\frac{1}{2}$ ins.; Ohio, Ala., $\frac{1}{2}$ in; Ga., Fla., 3-16 in.; N. C., Va., Conn.

PRECIPITATION.

In general.—The general distribution of rain for the month, is shown on chart No. III. The table in the lower left hand corner gives the average precipitation in the various districts, and shows a large excess over the November mean in the Gulf and Atlantic States, Lake region and St. Lawrence valley and a deficiency in the extreme Northwest, where most of the precipitation has occurred as snow. In Oregon there has also been a large excess. Most of the precipitation fell as heavy rains, as will be seen by the following list, and during the passage of the storms Nos. I, V and VIII.